



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBE105-13221W1-3
Job Sheet 203719



Part No: RBE105-13221W1-3

Job Qty: 4 pcs *6 pcs*

Part Name: Spacer



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/26/19

Job Tracking No:

Due Date: 1/17/20

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBE105-13221W1 Rev.1 IPP Rev. A 19.11.20 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter / Supplier Lead Time	Sign-off
					Setup Hrs	Run Hrs		
100	NLX 2500SY - 1	4 pcs	1/17/20	1/17/20	1.00	0.33	NLX 2500SY - 1	<i>SL 19-12-10</i>
110	QC 2	4 pcs	1/17/20	1/17/20	0.00	0.00	QC 2 - 1	
							QC 2 - 12	
							QC 2 - 14	
							QC 2 - 17	
							QC 2 - 19	
							QC 2 - 2	
							QC 2 - 20	
							QC 2 - 22	
							QC 2 - 23	
							QC 2 - 25	<i>SL</i>
							QC 2 - 32	
							QC 2 - 33	
							QC 2 - 35	
							QC 2 - 39	
							QC 2 - 4	
							QC 2 - 40	
							QC 2 - 44	
							QC 2 - 45	
							QC 2 - 48	
							QC 2 - 49	
							QC 2 - 50	
							QC 2 - 51	
							QC 2 - 52	
							QC 2 - 57	
							QC 2 - 62	
							QC 2 - 63	
							QC 2 - 8	
							QC 2 - 66	
							QC 2 - 64	
							QC 2 - 65	

120 QC 8	4 pcs	1/17/20	0.00 0.00	QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	mm 19/12/10
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
130 Outsource - 13 - Zinc Plating	4 pcs	1/17/20		GRO002-VC	2020-01-02
140 Packaging 2-1 - Receive - B4B	4 pcs	1/17/20	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	JP JAN 09 2020
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
150 QC 6	4 pcs	1/17/20	0.00 0.00	QC 6 - 9	

160 Packaging 3-1 - Stock - B4B 4 pcs	1/17/20	0.00 0.00	QC 6 - 68	JAN 0 9 2020	DAS 68 9-89
			QC 6 - 61		
			QC 6 - 40		
			QC 6 - 81		
			Packaging 3 - 1 - B4B		
			Packaging 3 - 2 - B4B		
			Packaging 3 - 3 - B4B		
			Packaging 3 - 4 - B4B		
			Packaging 3 - 5 - B4B		DAS 28 9-89
			Packaging 3 - 6 - B4B		
			Packaging 3 - 7 - B4B		
			Packaging 3 - 8 - B4B		
			Packaging 3 - 9 - B4B		
			Packaging 3 - 10 - B4B		
			Packaging 3 - 11 - B4B		
			Packaging 3 - 12 - B4B		
			Packaging 3 - 13 - B4B		
			Packaging 3 - 14 - B4B		
			Packaging 3 - 15 - B4B		
			Packaging 3 - 16 - B4B		
			Packaging 3 - 17 - B4B		
			Packaging 3 - 18 - B4B		
			Packaging 3 - 19 - B4B		
			Packaging 3 - 20 - B4B		
			Packaging 3 - 21 - B4B		
			Packaging 3 - 22 - B4B		
			Packaging 3 - 23 - B4B		
			Packaging 3 - 24 - B4B		
			Packaging 3 - 25 - B4B	JAN 1 0 2020	DAS
			Packaging 3 - 26 - B4B	JAN 1 0 2020	21 9-89
170 QC 21 - SA	4 pcs	1/17/20	0.00 0.00	QC 21 - SA - 21	JAN 1 0 2020
				QC 21 - SA - 70	

Part Op 100 - 1-Machine as per folio FD 109 FOLIO REV: DWG REV: 1 2-Deburr 3-Apply

Descriptions: LPS-3 to ALL steel parts

110 - QC2- Inspect parts off machine FAI/FAIB

120 - QC8- Inspect parts - second check

130 - -Issue P/O : 45481 -Zinc plate, ASTM B633 TYPE 1 SC2 -Color; Clear -Material type; 1018 -Certificate of Conformity is required

140 - (Receive & Inspect for Damage & Mat'l Certs) Certificate of Conformity is required

150 - QC6- All purchased or subcontracted products

160 - Identify as per dwg & Stock Location:

170 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M1018R2.250	M1018R2.250	.2320 ft (.058 ea)	100-NEX 2500SY - 1	5216340

Job Allocations

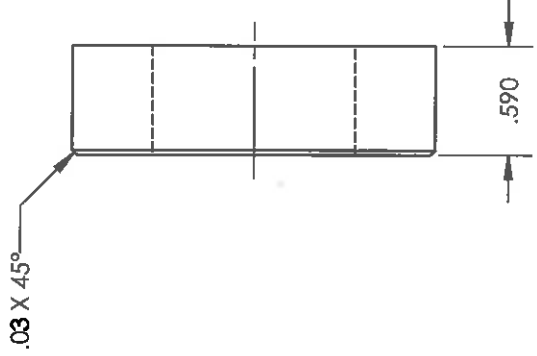
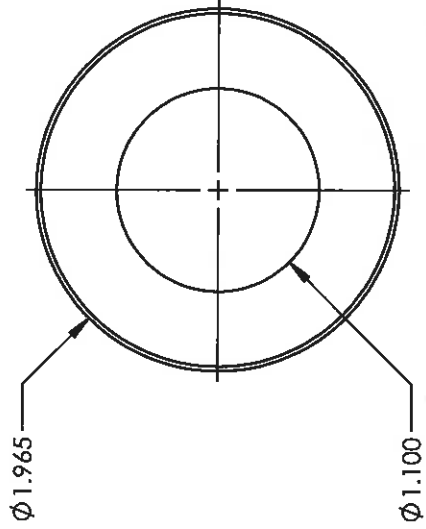
Operation	Component Part	Required	Inventory	Allocated
100-NEX 2500SY - 1	M1018R2.250	0	18	0

Part Specifications

Specifications could not be found.

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REV		ECR		REVISIONS		DESCRIPTION		DATE	INITIAL	APPROVED



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 203719 M5
1971-26



TITLE		MOUNTING TOOL KIT	
DWG NO.		RBE105-13221W1-3	
REV		1	
MATERIAL		1018/1020 CR	
HEAT TREAT		ZINC PLATE	
FINISH		ASTM B633 TYPE I SC 2	
SPEC		DRAWN BY: CLOUGH	
CHECKED:		DUERFELDT	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE		1:1	
DATE		12/22/2015	
SHEET		3 OF 6	

(-3)
SPACER

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐



Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐																																																																																	
Date :	Sequence #:	QTY Affected :		MRB (QS1042)																																																																																	
Description Work Order Deviation		Disposition																																																																																			
Root Cause <table><tr><td>Operator</td><td>☐</td></tr><tr><td>Manufacturing Process</td><td>☐</td></tr><tr><td>Equip/Tooling</td><td>☐</td></tr><tr><td>Handling/Preservation</td><td>☐</td></tr><tr><td>Material</td><td>☐</td></tr><tr><td>Product Improvement</td><td>☐</td></tr><tr><td>Process Improvement</td><td>☐</td></tr><tr><td>Human Factors</td><td>☐</td></tr></table>		Operator	☐	Manufacturing Process	☐	Equip/Tooling	☐	Handling/Preservation	☐	Material	☐	Product Improvement	☐	Process Improvement	☐	Human Factors	☐	FAULT CATEGORY <table><tr><td>Pressure/Forced</td><td>☐</td><td>Contamination</td><td>☐</td><td>Power Loss/Surge</td><td>☐</td><td>Positioned Wrong</td><td>☐</td></tr><tr><td>Bending</td><td>☐</td><td>Misaligned/off center</td><td>☐</td><td>Folio/Program</td><td>☐</td><td>Outside Tolerance</td><td>☐</td></tr><tr><td>Crushing</td><td>☐</td><td>BOM/Route</td><td>☐</td><td>Grain Direction</td><td>☐</td><td>Drawing</td><td>☐</td></tr><tr><td>Cracks</td><td>☐</td><td>Broken/Damage/Defect</td><td>☐</td><td>Weld</td><td>☐</td><td>Finish</td><td>☐</td></tr><tr><td>Crimp/Kink/Ripple/Wave/Twist</td><td>☐</td><td>Incomplete/Unclear Instructions</td><td>☐</td><td>Wrong Stock Pulled</td><td>☐</td><td>Part Lost/Missing</td><td>☐</td></tr><tr><td>Marks/Chatter</td><td>☐</td><td>Drill Holes</td><td>☐</td><td>Out of Sequence</td><td>☐</td><td>Misread</td><td>☐</td></tr><tr><td>Mislabeled</td><td>☐</td><td>Fit/Function</td><td>☐</td><td>Off-set/Set-up</td><td>☐</td><td></td><td></td></tr><tr><td colspan="2">Other/Details:</td><td colspan="6"></td></tr></table>				Pressure/Forced	☐	Contamination	☐	Power Loss/Surge	☐	Positioned Wrong	☐	Bending	☐	Misaligned/off center	☐	Folio/Program	☐	Outside Tolerance	☐	Crushing	☐	BOM/Route	☐	Grain Direction	☐	Drawing	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Finish	☐	Crimp/Kink/Ripple/Wave/Twist	☐	Incomplete/Unclear Instructions	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐	Marks/Chatter	☐	Drill Holes	☐	Out of Sequence	☐	Misread	☐	Mislabeled	☐	Fit/Function	☐	Off-set/Set-up	☐			Other/Details:							
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Completed By																																																																																					
Lead hand / Supervisor																																																																																					
QC / QA Coordinator																																																																																					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045481



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045481
PO Date: 12/31/19
Due Date: 1/10/20

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground
Pynt Terms: Net 60

Freight Terms:

Special Comments:

2020-01-06

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	203720	RBE105-13221W1-5	RBE105-13221W1 Rev 1	Pin -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color Clear -Material type 1018 -Certificate of Conformity is required	Firmed	-	1/10/20	4 pcs	0 pcs	4 pcs	\$4.50/pcs	\$18.00
2	203721	RBE105-13221W1-7	RBE105-13221W1 Rev 1	Pin -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color Clear -Material type 1018 -Certificate of Conformity is required	Firmed	-	1/10/20	4 pcs	0 pcs	4 pcs	\$4.50/pcs	\$18.00



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PURCHASE ORDER
POHB045481



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	203719	RBE105-13221W1-3	RBE105-13221W1 Rev 1	Spacer -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color Clear -Material type 1018 -Certificate of Conformity is required	Firmed	-	1/10/20	6 pcs	0 pcs	6 pcs	\$4.50/pcs	\$27.00
4	203756	RBE117-68021W13-5	RBE117-68021W13 Rev 1	Hex Head Cap Screw -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color Clear -Material type Bolt -Certificate of Conformity is required	Firmed	-	1/10/20	6 pcs	0 pcs	6 pcs	\$14.50/pcs	\$87.00
Grand Total:												\$150.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/6/20 9:33 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance
(025202-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip
025202- 1

Livré à / Ship to
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
07-Jan-2020		SPARTAKOS BOUNTOURIS		POHB045481				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Quantités / Quantities				
				Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	A venir/ Back Order
1	RBE105-13221W1-5 Rev.	RBE105-13221W1-5 01-ZINC-CLEAR TRI [ZINC CLEAR TRIVALENT] 24 HRS ASTM B633 TYPE 1 SC2	ZINC CH	4	4	0	0	0
2	RBE105-13221W1-7 Rev.	RBE105-13221W1-7 01-ZINC-CLEAR TRI [ZINC CLEAR TRIVALENT] 24 HRS ASTM B633 TYPE 1 SC2	ZINC CH	4	4	0	0	0
3	RBE105-13221W1-3 Rev.	RBE105-13221W1-3 01-ZINC-CLEAR TRI [ZINC CLEAR TRIVALENT] 24 HRS ASTM B633 TYPE 1 SC2	ZINC CH	6	6	0	0	0
4	RBE117-68021W13-5 Rev.	RBE117-68021W13-5 01-ZINC-CLEAR TRI [ZINC CLEAR TRIVALENT] 24 HRS ASTM B633 TYPE 1 SC2	ZINC CH	6	6	0	0	0

RECEIVED
JAN 08 2020
DART AEROSPACE LTD.

DAS
68
9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
Our financial and legal responsibility will not be higher than the amount of invoice.